

# Klaus Katzensteiner

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

1,297  
citations

17  
h-index

35  
g-index

43  
ext. papers

1,563  
ext. citations

4.2  
avg. IF

4.3  
L-index

#	Paper	IF	Citations
41	High Fungal Diversity but Low Seasonal Dynamics and Ectomycorrhizal Abundance in a Mountain Beech Forest. <i>Microbial Ecology</i> , <b>2021</b> , 82, 243-256	4.4	4
40	Tree regeneration patterns in cork oak landscapes of Southern Portugal: The importance of land cover type, stand characteristics and site conditions. <i>Forest Ecology and Management</i> , <b>2021</b> , 486, 118970	3.9	5
39	Soil fertility relates to fungal-mediated decomposition and organic matter turnover in a temperate mountain forest. <i>New Phytologist</i> , <b>2021</b> , 231, 777-790	9.8	6
38	A system for classifying subsolum geological substrates as a basis for describing soil formation. <i>Catena</i> , <b>2021</b> , 198, 105026	5.8	4
37	A framework for the predictive mapping of forest soil properties in mountain areas. <i>Geoderma</i> , <b>2020</b> , 371, 114383	6.7	6
36	Tamm Review: Influence of forest management activities on soil organic carbon stocks: A knowledge synthesis. <i>Forest Ecology and Management</i> , <b>2020</b> , 466, 118127	3.9	140
35	Herbivory modulates soil CO <sub>2</sub> fluxes after windthrow: a case study in temperate mountain forests. <i>European Journal of Forest Research</i> , <b>2020</b> , 139, 383-391	2.7	2
34	Combined forest and soil management after a catastrophic event. <i>Journal of Mountain Science</i> , <b>2020</b> , 17, 2459-2484	2.1	2
33	Drivers of forest regeneration patterns in drought prone mixed-species forests in the Northern Calcareous Alps. <i>Forest Ecology and Management</i> , <b>2019</b> , 453, 117589	3.9	5
32	TerrHum: An iOS Application for Classifying Terrestrial Humipedons and Some Considerations about Soil Classification. <i>Soil Science Society of America Journal</i> , <b>2019</b> , 83, S42	2.5	3
31	Humusica 1, article 4: Terrestrial humus systems and forms [Specific terms and diagnostic horizons. <i>Applied Soil Ecology</i> , <b>2018</b> , 122, 56-74	5	18
30	Humusica 1, article 5: Terrestrial humus systems and forms [Keys of classification of humus systems and forms. <i>Applied Soil Ecology</i> , <b>2018</b> , 122, 75-86	5	27
29	Transpiration deficits increase host susceptibility to bark beetle attack: Experimental observations and practical outcomes for Ips typographus hazard assessment. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 263, 69-89	5.8	26
28	The impacts of climate change and disturbance on spatio-temporal trajectories of biodiversity in a temperate forest landscape. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 28-38	5.8	107
27	Vitality fertilization balanced tree nutrition and mitigated severity of Sirococcus shoot blight on mature Norway spruce. <i>Forest Ecology and Management</i> , <b>2017</b> , 389, 96-104	3.9	4
26	Turbulent energy and carbon dioxide exchange along an early-successional windthrow chronosequence in the European Alps. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 232, 576-594	5.8	11
25	Tree regeneration retards decomposition in a temperate mountain soil after forest gap disturbance. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 115, 490-498	7.5	16

24	Climate Change in Remote Mountain Regions: A Throughfall-Exclusion Experiment to Simulate Monsoon Failure in the Himalayas. <i>Mountain Research and Development</i> , <b>2017</b> , 37, 294	1.4	4
23	Increase in heterotrophic soil respiration by temperature drives decline in soil organic carbon stocks after forest windthrow in a mountainous ecosystem. <i>Functional Ecology</i> , <b>2017</b> , 31, 1163-1172	5.6	31
22	Substrate influences ecophysiological performance of tree seedlings. <i>Tree Physiology</i> , <b>2016</b> , 36, 39-53	4.2	8
21	Modelling the dynamics of landscape transformations and population growth in the highlands of Ethiopia using remote-sensing data. <i>International Journal of Remote Sensing</i> , <b>2016</b> , 37, 5647-5667	3.1	7
20	Potassium fertilization affects the distribution of fine roots but does not change ectomycorrhizal community structure. <i>Annals of Forest Science</i> , <b>2016</b> , 73, 691-702	3.1	9
19	Assessing the Sensitivity of Mountain Forests to Site Degradation in the Northern Limestone Alps, Europe. <i>Mountain Research and Development</i> , <b>2015</b> , 35, 139-151	1.4	5
18	Unfavourable microsites, competing vegetation and browsing restrict post-disturbance tree regeneration on extreme sites in the Northern Calcareous Alps. <i>European Journal of Forest Research</i> , <b>2015</b> , 134, 293-308	2.7	24
17	Do water-limiting conditions predispose Norway spruce to bark beetle attack?. <i>New Phytologist</i> , <b>2015</b> , 205, 1128-1141	9.8	115
16	Soil CO <sub>2</sub> efflux from mountainous windthrow areas: dynamics over 12 years post-disturbance. <i>Biogeosciences</i> , <b>2014</b> , 11, 6081-6093	4.6	18
15	Carbon and Nitrogen Flow in the Traditional Land Use System of the Himalaya Region, Nepal. <i>Mountain Research and Development</i> , <b>2013</b> , 33, 381-390	1.4	3
14	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. <i>Ecology and Society</i> , <b>2012</b> , 17,	4.1	113
13	A European morpho-functional classification of humus forms. <i>Geoderma</i> , <b>2011</b> , 164, 138-145	6.7	120
12	Modelling drainage fluxes in managed and natural forests in the Dinaric karst: a model comparison study. <i>European Journal of Forest Research</i> , <b>2010</b> , 129, 729-740	2.7	11
11	Modeling of nitrogen dynamics in an Austrian alpine forest ecosystem on calcareous soils: a scenario-based risk assessment under changing environmental conditions. <i>Scientific World Journal, The</i> , <b>2007</b> , 7 Suppl 1, 159-65	2.2	4
10	Sustainable utilisation of forest biomass for energy Possibilities and problems: Policy, legislation, certification, and recommendations and guidelines in the Nordic, Baltic, and other European countries. <i>Biomass and Bioenergy</i> , <b>2007</b> , 31, 666-684	5.3	185
9	Effects of harvesting on nutrient leaching in a Norway spruce ( <i>Picea abies</i> Karst.) ecosystem on a Lithic Leptosol in the Northern Limestone Alps. <i>Plant and Soil</i> , <b>2003</b> , 250, 59-73	4.2	38
8	Spatio-temporal analysis of the soil water content in a mixed Norway spruce ( <i>Picea abies</i> (L.) Karst.) European beech ( <i>Fagus sylvatica</i> L.) stand. <i>Geoderma</i> , <b>2003</b> , 112, 273-287	6.7	78
7	Adapting an individual tree growth model for Norway spruce ( <i>Picea abies</i> L. Karst.) in pure and mixed species stands. <i>Forest Ecology and Management</i> , <b>2002</b> , 159, 101-110	3.9	40

6	Amelioration of Magnesium Deficiency in a Norway Spruce Stand ( <i>Picea abies</i> ) with Calcined Magnesite. <i>Water, Air, and Soil Pollution</i> , <b>2001</b> , 125, 1-17	2.6	10
5	Physiological, structural, and nutritional parameters of Norway spruce needles from declining forest stands in Austria. <i>Canadian Journal of Forest Research</i> , <b>1996</b> , 26, 1769-1780	1.9	11
4	Massenaufreten der Kleinen Fichtenblattwespe <i>Pristiphora abietina</i> (Christ) (Hym., Thentrinidae) im Hausruck. 2: Immissionsökologischer Einfluss <i>Journal of Applied Entomology</i> , <b>1994</b> , 118, 253-266	1.7	7
3	Factors influencing the soil solution chemistry in Norway spruce stands in the Bohemian Forest, Austria. <i>Agriculture, Ecosystems and Environment</i> , <b>1993</b> , 47, 135-145	5.7	6
2	Nitrogen-induced nutritional imbalances as a contributing factor to Norway spruce decline in the Bohemian forest (Austria). <i>Forest Ecology and Management</i> , <b>1992</b> , 51, 29-42	3.9	44
1	Effects of air pollutants on mineral nutrition of Norway spruce and revitalization of declining stands in Austria. <i>Water, Air, and Soil Pollution</i> , <b>1992</b> , 61, 309-322	2.6	18